

## TRIMERIZATION CATALYST FOR ETHYLENE AND ETHYLENE TRIMERIZING METHOD USING THE SAME

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### Abstract of JP2004136270

**PROBLEM TO BE SOLVED:** To efficiently produce 1-hexene from ethylene in a highly selective manner.

**SOLUTION:** A trimerization catalyst for ethylene comprises water and/or a water-containing compound and an alkyl group-containing compound, a compound obtained by removing a solid substance after water and/or the water-containing compound and the alkyl group-containing compound were reacted with each other and an organometal complex wherein a neutral multidentate ligand having a tripod type structure is coordinated. Ethylene is trimerized in the presence of a catalyst wherein a halogenated inorganic compound or a compound containing the Group 16 element is further added to the catalyst.

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